

## AMENDMENTS TO THE CLAIMS

### Claims 1-17 (Cancelled)

18. (Currently Amended) An apparatus, comprising:
- a heat sink comprising a thermoelectric (TEC) module having a polarity; and
- a thermal interface material (TIM) coupled with the heat sink, the TIM receiving a redirected heat in the heat sink upon changing of the polarity to melt the TIM up to an acceptable melt level.
19. (Currently Amended) The apparatus of claim 18, wherein the TIM is applied at ~~and removed from at least one of the following locations:~~ one or more of a base of the heat sink, and a thermal gap between the heat sink, and a heat source.
20. (Currently Amended) The apparatus of claim 18, wherein the ~~TIM is applied using at least one of the following:~~ application device includes one or more of an epoxy dispenser machine and a vacuum suction cup.
21. (Currently Amended) The apparatus of claim 18, wherein the ~~changing~~ adjusting of the polarity comprises reversing of the polarity.
22. (Currently Amended) The apparatus of claim 21, wherein the ~~reversing~~ adjusting of the polarity ~~is performed by at least one of the following:~~ comprises one or more of reversing terminals of the TEC module, using a device to change the polarity of the TEC module, and adjusting a power source.
23. (Currently Amended) A system, comprising:
- a storage medium;
- a integrated circuit (IC) device coupled with the storage medium;
- a heat sink coupled with the IC device, the heat sink comprising a thermoelectric (TEC) module having a polarity; and

a thermal interface material (TIM) coupled with the heat sink and the IC device,  
the TIM receiving a redirected heat in the heat sink upon changing of the  
polarity to melt the TIM up to an acceptable melt level.

24. (Currently Amended) The system of claim 23, wherein the TIM is applied ~~at and removed from at least one of the following locations:~~ to one or more of a base of the heat sink, ~~and~~ a thermal gap between the heat sink, and a heat source.
25. (Currently Amended) The system of claim 23, wherein the ~~TIM is applied using at least one of the following:~~ application device comprises one or more of an epoxy dispenser machine and a vacuum suction cup.
26. (Original) The system of claim 23, wherein the changing of the polarity comprises reversing of the polarity.
27. (Currently Amended) The system of claim 26, wherein the reversing of the polarity is performed by ~~at least one of the following:~~ one or more of reversing terminals of the TEC module, using a device to change the polarity of the TEC module, and adjusting a power source.
28. (Currently Amended) The system of claim 23, wherein the IC device comprises ~~at least one of the following:~~ one or more of a microprocessor, a microcontroller, a graphics processor, a digital signal processor (DSP), a complex instruction set computing (CISC) processor, a reduced instruction set computing (RISC) processor, and a very long instruction word (VLIW) processor.